

THROUGH-HOLE RADIAL POWER CHOKES

FEATURES:

- Wire-wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators



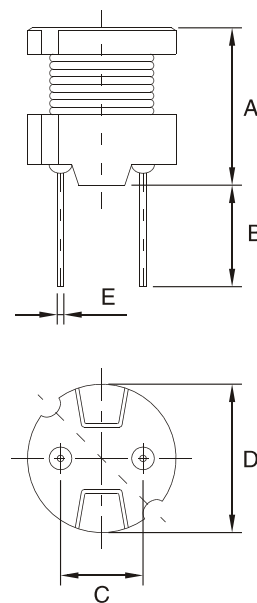
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LH0605-220M	22	1.0	0.18	0.90
LH0605-270M	27	1.0	0.21	0.81
LH0605-330M	33	1.0	0.27	0.74
LH0605-390M	39	1.0	0.29	0.68
LH0605-470M	47	1.0	0.34	0.62
LH0605-560M	56	1.0	0.42	0.57
LH0605-680M	68	1.0	0.48	0.51
LH0605-820M	82	1.0	0.55	0.47
LH0605-101K	100	1.0	0.68	0.42
LH0605-121K	120	1.0	0.77	0.39
LH0605-151K	150	1.0	0.95	0.35
LH0605-181K	180	1.0	1.15	0.32
LH0605-221K	220	1.0	1.30	0.29
LH0605-271K	270	1.0	1.55	0.26
LH0605-331K	330	1.0	2.18	0.23
LH0605-391K	390	1.0	2.47	0.21
LH0605-471K	470	1.0	2.92	0.20
LH0605-561K	560	1.0	3.97	0.18
LH0605-681K	680	1.0	4.57	0.16
LH0605-821K	820	1.0	5.28	0.15
LH0605-102K	1000	1.0	7.06	0.13
LH0606-220M	22	1.0	0.11	1.27
LH0606-270M	27	1.0	0.14	1.14
LH0606-330M	33	1.0	0.17	1.03
LH0606-390M	39	1.0	0.19	0.95
LH0606-470M	47	1.0	0.23	0.87
LH0606-560M	56	1.0	0.26	0.80
LH0606-680M	68	1.0	0.28	0.72
LH0606-820M	82	1.0	0.39	0.66
LH0606-101K	100	1.0	0.43	0.59
LH0606-121K	120	1.0	0.54	0.54
LH0606-151K	150	1.0	0.64	0.48
LH0606-181K	180	1.0	0.74	0.44
LH0606-221K	220	1.0	0.96	0.40
LH0606-271K	270	1.0	1.12	0.36
LH0606-331K	330	1.0	1.48	0.33
LH0606-391K	390	1.0	1.66	0.30
LH0606-471K	470	1.0	1.91	0.28
LH0606-561K	560	1.0	2.31	0.25
LH0606-681K	680	1.0	2.67	0.23
LH0606-821K	820	1.0	3.10	0.21
LH0606-102K	1000	1.0	4.45	0.19

Note: 1. K= ± 10%, M= ± 20%

CHARACTERISTICS:

Dimension: mm



Part Number	A	B	C	D	E
LH0605	5.2Max	4.0 ± 1	4.0 ± 0.3	6.5Max	0.5
LH0606	6.5Max	4.0 ± 1	4.0 ± 0.3	6.5Max	0.5

TECHNICAL INFORMATION:

- IDC Max: Determined when superimposed
- Testing: (Equivalent acceptable)
Inductance: HP4284A 1kHz 0.1V
RDC: QuadTech 1880 Milliohm meter
IDC Max : Lowers inductance by 10%
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note: All specifications subject to change without notice.

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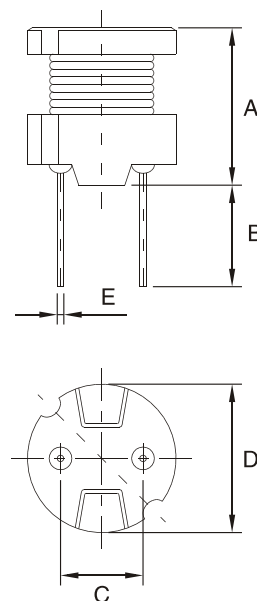
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LH0805-100M	10	1.0	0.07	2.50
LH0805-120M	12	1.0	0.08	2.40
LH0805-150M	15	1.0	0.09	2.10
LH0805-180M	18	1.0	0.10	2.00
LH0805-220M	22	1.0	0.12	1.70
LH0805-270M	27	1.0	0.14	1.60
LH0805-330M	33	1.0	0.17	1.40
LH0805-390M	39	1.0	0.21	1.30
LH0805-470M	47	1.0	0.24	1.20
LH0805-560M	56	1.0	0.31	1.10
LH0805-680M	68	1.0	0.34	1.00
LH0805-820M	82	1.0	0.40	0.93
LH0805-101K	100	1.0	0.52	0.81
LH0805-121K	120	1.0	0.59	0.76
LH0805-151K	150	1.0	0.71	0.67
LH0805-181K	180	1.0	0.89	0.62
LH0805-221K	220	1.0	1.04	0.54
LH0805-271K	270	1.0	1.28	0.49
LH0805-331K	330	1.0	1.47	0.44
LH0805-391K	390	1.0	1.67	0.41
LH0805-471K	470	1.0	1.95	0.38
LH0805-561K	560	1.0	2.83	0.35
LH0805-681K	680	1.0	3.25	0.32
LH0805-821K	820	1.0	3.82	0.31
LH0805-102K	1000	1.0	5.28	0.25
LH0805-122K	1200	1.0	6.03	0.23
LH0805-152K	1500	1.0	7.15	0.21
LH0805-182K	1800	1.0	8.26	0.20
LH0805-222K	2200	1.0	11.1	0.18
LH0805-272K	2700	1.0	13.1	0.16
LH0805-332K	3300	1.0	15.9	0.14
LH0805-392K	3900	1.0	18.0	0.13
LH0805-472K	4700	1.0	23.9	0.12
LH0805-562K	5600	1.0	26.8	0.11
LH0805-682K	6800	1.0	31.7	0.098
LH0805-822K	8200	1.0	46.5	0.088
LH0805-103K	10000	1.0	55.7	0.081

Note: 1. K= ± 10%, M= ± 20%

CHARACTERISTICS:

Dimension: mm



Part Number	A	B	C	D	E
LH0805	5.5Max	5.0 ± 1	5.0 ± 0.3	8.3Max	0.7

TECHNICAL INFORMATION:

- IDC Max: Determined when superimposed
- Testing: (Equivalent acceptable)
Inductance: HP4284A 1kHz 0.1V
RDC: QuadTech 1880 Milliohm meter
IDC Max : Lowers inductance by 10%
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

Note: All specifications subject to change without notice.

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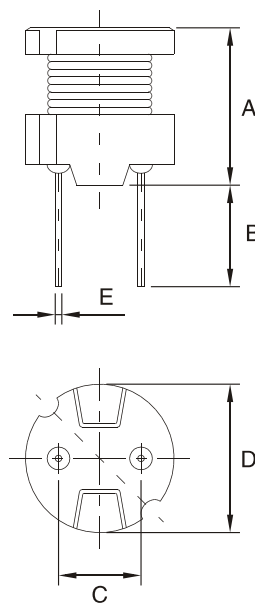
ELECTRICAL CHARACTERISTICS:

Part Number	L μ H	Test Freq KHz	DCR Ω Max	IDC Max A
LH0807-100M	10	1.0	0.05	2.90
LH0807-120M	12	1.0	0.06	2.50
LH0807-150M	15	1.0	0.07	2.20
LH0807-180M	18	1.0	0.08	1.90
LH0807-220M	22	1.0	0.09	1.80
LH0807-270M	27	1.0	0.11	1.70
LH0807-330M	33	1.0	0.13	1.50
LH0807-390M	39	1.0	0.14	1.30
LH0807-470M	47	1.0	0.15	1.30
LH0807-560M	56	1.0	0.18	1.20
LH0807-680M	68	1.0	0.20	1.10
LH0807-820M	82	1.0	0.24	1.00
LH0807-101K	100	1.0	0.28	0.89
LH0807-121K	120	1.0	0.36	0.81
LH0807-151K	150	1.0	0.42	0.72
LH0807-181K	180	1.0	0.57	0.66
LH0807-221K	220	1.0	0.63	0.57
LH0807-271K	270	1.0	0.88	0.51
LH0807-331K	330	1.0	1.05	0.46
LH0807-391K	390	1.0	1.17	0.44
LH0807-471K	470	1.0	1.34	0.41
LH0807-561K	560	1.0	1.72	0.36
LH0807-681K	680	1.0	1.96	0.33
LH0807-821K	820	1.0	2.56	0.30
LH0807-102K	1000	1.0	2.94	0.27
LH0807-122K	1200	1.0	4.04	0.24
LH0807-152K	1500	1.0	4.70	0.22
LH0807-182K	1800	1.0	5.05	0.20
LH0807-222K	2200	1.0	6.25	0.18
LH0807-272K	2700	1.0	8.72	0.16
LH0807-332K	3300	1.0	10.6	0.15
LH0807-392K	3900	1.0	14.2	0.14
LH0807-472K	4700	1.0	16.7	0.12
LH0807-562K	5600	1.0	18.7	0.11
LH0807-682K	6800	1.0	21.8	0.10
LH0807-822K	8200	1.0	28.7	0.093
LH0807-103K	10000	1.0	33.0	0.084

Note: 1. K= $\pm 10\%$, M= $\pm 20\%$

CHARACTERISTICS:

Dimension: mm



Part Number	A	B	C	D	E
LH0807	7.5Max	5.0 $\pm$ 1	5.0 $\pm$ 0.3	8.3Max	0.7

TECHNICAL INFORMATION:

- IDC Max: Determined when superimposed
- Testing: (Equivalent acceptable)
Inductance: HP4284A 1kHz 0.1V
RDC: QuadTech 1880 Milliohm meter
IDC Max : Lowers inductance by 10%
- Operating temperature: -40°C to $+105^{\circ}\text{C}$
- Storage Temperature: -40°C to $+105^{\circ}\text{C}$
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
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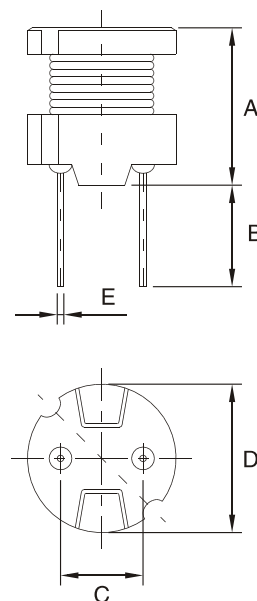
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
LH0809-100M	10	1.0	0.04	2.60
LH0809-120M	12	1.0	0.04	2.60
LH0809-150M	15	1.0	0.05	2.10
LH0809-180M	18	1.0	0.05	2.00
LH0809-220M	22	1.0	0.06	1.70
LH0809-270M	27	1.0	0.06	1.60
LH0809-330M	33	1.0	0.07	1.40
LH0809-390M	39	1.0	0.08	1.40
LH0809-470M	47	1.0	0.10	1.30
LH0809-560M	56	1.0	0.11	1.20
LH0809-680M	68	1.0	0.14	1.10
LH0809-820M	82	1.0	0.16	1.00
LH0809-101K	100	1.0	0.19	0.90
LH0809-121K	120	1.0	0.22	0.82
LH0809-151K	150	1.0	0.27	0.74
LH0809-181K	180	1.0	0.31	0.71
LH0809-221K	220	1.0	0.38	0.64
LH0809-271K	270	1.0	0.53	0.57
LH0809-331K	330	1.0	0.61	0.51
LH0809-391K	390	1.0	0.69	0.48
LH0809-471K	470	1.0	0.89	0.43
LH0809-561K	560	1.0	1.01	0.40
LH0809-681K	680	1.0	1.18	0.35
LH0809-821K	820	1.0	1.57	0.32
LH0809-102K	1000	1.0	1.84	0.30
LH0809-122K	1200	1.0	2.10	0.27
LH0809-152K	1500	1.0	2.80	0.23
LH0809-182K	1800	1.0	3.21	0.21
LH0809-222K	2200	1.0	4.21	0.19
LH0809-272K	2700	1.0	4.94	0.17
LH0809-332K	3300	1.0	6.16	0.15
LH0809-392K	3900	1.0	6.84	0.14
LH0809-472K	4700	1.0	7.89	0.13
LH0809-562K	5600	1.0	11.5	0.12
LH0809-682K	6800	1.0	13.2	0.11
LH0809-822K	8200	1.0	15.2	0.10
LH0809-103K	10000	1.0	22.0	0.089
LH0809-123K	12000	1.0	25.0	0.073
LH0809-153K	15000	1.0	29.1	0.068
LH0809-183K	18000	1.0	38.9	0.066
LH0809-223K	22000	1.0	44.9	0.059
LH0809-273K	27000	1.0	55.7	0.052
LH0809-333K	33000	1.0	64.2	0.048
LH0809-393K	39000	1.0	74.2	0.042
LH0809-473K	47000	1.0	96.4	0.038

Note: 1. K= ± 10%, M= ± 20%

CHARACTERISTICS:

Dimension: mm



Part Number	A	B	C	D	E
LH0809	9.5Max	5.0 ± 1	5.0 ± 0.3	8.3Max	0.7

TECHNICAL INFORMATION:

- IDC Max: Determined when superimposed
- Testing: (Equivalent acceptable)
Inductance: HP4284A 1kHz 0.1V
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